

M 5.7, NIAS REGION, INDONESIA

Origin Time: Tue 2009-02-24 12:13:15 UTC

Location: 1.49°N 97.18°E Depth: 35 km

PAGER
Version 2

Created: 1 days, 3 hrs after earthquake

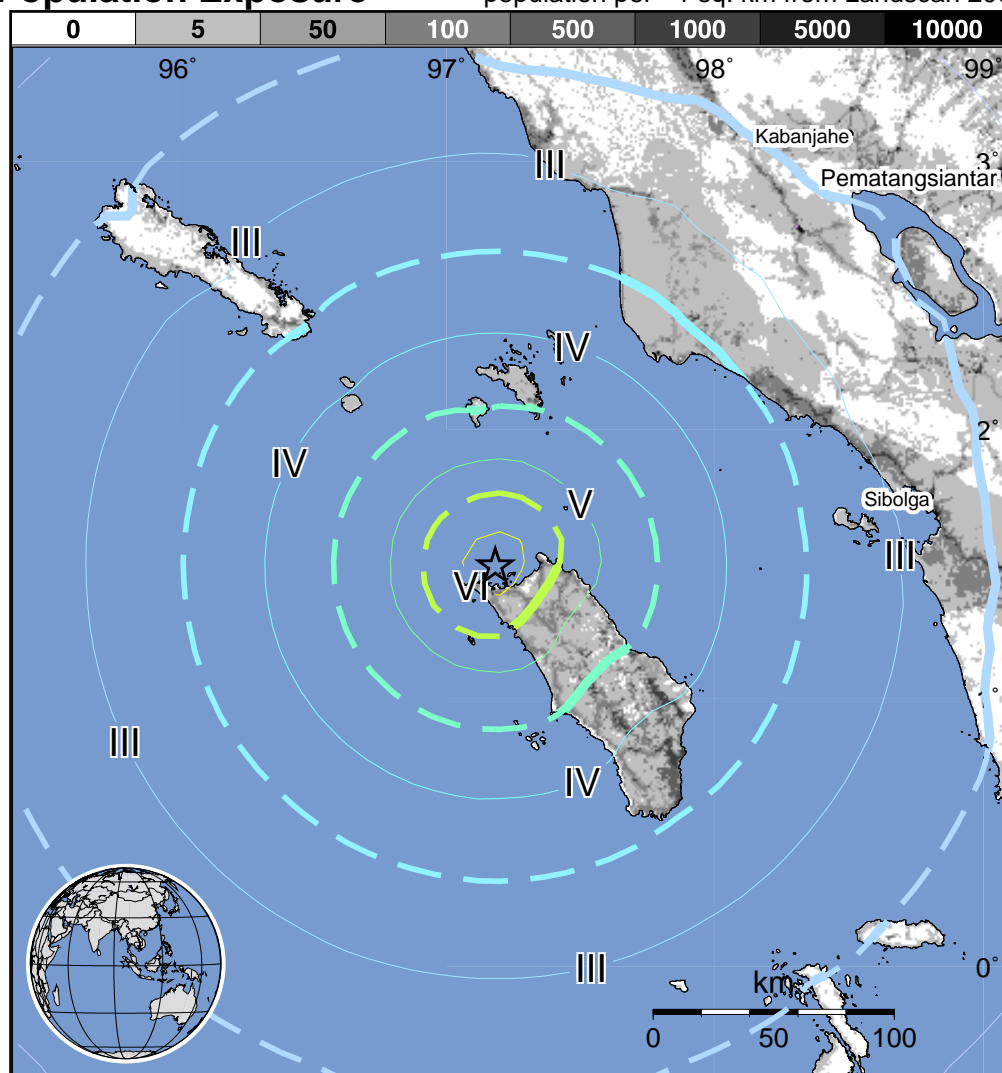
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	2,719k*	673k	155k	48k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat 2006

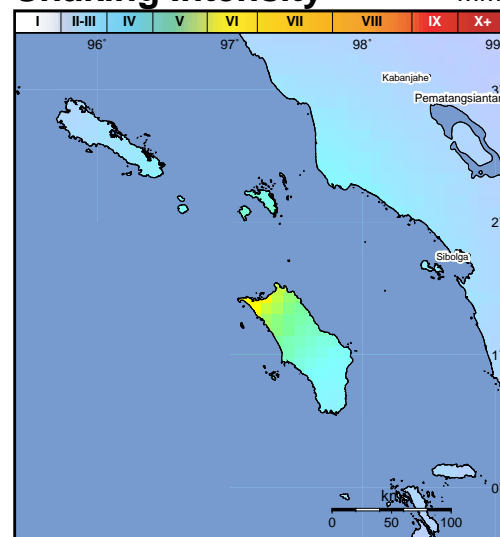


Selected City Exposure

MMI City	Population
III Sibolga	79k
II Kabanjahe	57k
II Delitua	27k
II Pematangsiantar	209k
II Tebingtinggi	117k

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 5.8 earthquake occurred in the Indonesia region 304 km east of the location of this earthquake on December 17, 2006 (UTC), with estimated population exposures of 72,000 at intensity VII and 315,000 at intensity VI, resulting in an estimated 7 fatalities. On December 26, 2004 (UTC), a magnitude 9.0 earthquake and tsunami occurred near the Sumatra - Andaman Islands, Indonesia, region 252 km northwest of the location of this earthquake, with estimated population exposures of 237,000 at intensity IX or greater and 1,471,000 at intensity VIII, resulting in an estimated 227,898 fatalities. Recent earthquakes in this area have caused landslides that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009dla7